

WHAT IS CLAIMED IS:

1. A flat motor comprising:

a rotor composed of an axis and a driving magnet in a ring shape having multipolar driving magnetic poles; and

a stator yoke composed of a plane section for mounting a bearing for holding the rotor to rotate freely with centering the axis and another plane section for mounting a plurality of driving coils disposed in a concentric circle with facing towards the driving magnet, wherein the other plane section is disposed in conjugating with the outer side of the plane section,

the flat motor is further characterized in that the plane section is formed flat in a circular shape with centering the axis, and

the other plane section is a part of surface of approximately a circular cone shape having a vertex on the axis and is in a shape of inclining towards a direction away from the rotor in accordance with being far away from the axis and formed with a pleat by bending the stator yoke in a conjugating section between the plane section and the other plane section.